RVEY C. HAYES, NAR AUTHORITY

oad of Navy's Sound oratory Is Dead at 89

Harvey C. Hayes, pioneer development of underacoustics, died last Tues- t Petersborough, N. H. He 0 years old and had re- in 1947 as head of the Underwater Sound Lab- y at New London, Conn. nouncement of Dr. Hayes's was made yesterday by . Allan K. Cameron Jr., staff officer of the lab- y.

Hayes was credited with ishing the earliest stand- f absolute calibration of water sound transducers. n the first to study such as the interference of dynamic noise with the ion of underwater echoes. f the two types of sonar ment used by the Navy at art of World War II was ed, and produced under pervision.

Work Begun in 1917

Hayes was a professor of s at Swarthmore College . In 1917, he volunteered rvices to the Navy to ombat the German sub- threat. He explained early research had led conclude that the best of detecting U-Boats rough the use of under sound. In 1917 he re- his Swarthmore post t at the Navy experiment at Fort Trumbull in ondon.

he end of the war he re- d with the Navy, and the Naval Research Lab- y was completed in e became superintendent sound division.

World War II, Dr. Hayes ped improved sonar and dome material, im- transducer designs and ques of localizing the beyond the resolution of onar beam. Recognizing tentiality of the helicop- nd the blimp in antisub- e warfare, he initiated the opment of sonar equip- for them.

Hayes was born in North , N. Y., and educated at rd University, receiving .D. there in 1911. He n his teaching career at rd and went to Swarth- g 1913.

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KENNETH LITTAUER, LITERARY AGENT, 74

Kenneth P. Littauer, who won the Croix de Guerre and other decorations as a pilot in World War I, and as an Army Air Forces colonel helped plan the D-Day bombings in World War II, died Sunday afternoon in a Norwalk, Conn., nursing home. He was 74 years old and lived in Wilton, Conn.

Mr. Littauer became a literary agent in 1949 and served in that capacity until a few weeks ago in his own New York concern of Littauer & Wilkinson.

Mr. Littauer won a scholarship to Colgate University, and later went to Europe where he was a reporter for The New York American in London and Paris.

Early in 1916, before the United States entered the war, the 22-year-old reporter enlisted in the Franco-Belgian air squadron. Later he transferred to the United States Air Service and rose to the rank of commander of the 89th Observation Squadron. At the war's end he was a lieutenant colonel.

Holding the French Croix de Guerre he was decorated with his own country's Distinguished Service Cross, the Belgian Croix de Guerre and the Belgian Ordre de Leopold. During World War II Mr. Littauer was a senior intelligence officer with the Eighth Air Force in England.

After World War I, Mr. Littauer came to New York and worked for Street & Smith, the magazine publishers; from 1925 to 1949 he was fiction editor of Collier's.

He leaves his second wife, the former Helen Irwin Dowdey; 3 daughters, 11 grandchildren and 3 great-grandchildren.

Georgine Oeri, Art Critic And Teacher, Dead at 54

Georgine Oeri, art critic and teacher, died Sunday in Calvary Hospital, the Bronx. She was 54 years old and lived at 81 Bedford Street.

Miss Oeri was born in Basel, Switzerland. She attended the Universities of Basel, Perugia and Munich and the Sorbonne. Her book, "Man and His Images: A Way of Seeing," [illegible]

Deaths

BLUMY—[illegible] Devoted husband of Rose. Devoted father of Arlene Hartley and Norman. Dear brother of Hattie Harris, Anna Weinberg, Essie Bowers, Simon and Morris. Combined [illegible] Services Tuesday, July 16, 10:15 A.M. at the Riverside Chapel, 76 St. and Amsterdam Ave. Please omit flowers.

BLAGDEN—Mabel Wallace, of Red Bank, N. J., on [illegible] 1968, wife of the late Dudley Blagden, mother of Charles H. Sabin Jr. Blagden, mother of Charles H. Sabin Jr. and grandmother of Charles H. Sabin III and Thomas W. Sabin. Funeral services at Christ Church, Middletown, N. J., on Wednesday, July 17, 1968, at 10 A.M. Interment following at the Asbury Park Cemetery in Asbury, N. Y. In lieu of flowers contributions may be sent to Planned Parenthood.

BLAU—Jason, beloved husband of Lena, devoted father of Renee Weinstein and Beatrice Morris. Dear brother of Estelle Ullman. Loving grandfather and great-grandfather. Funeral Services Tuesday, July 16, at 11:45 A.M., at the Riverside, 76 St. and Amsterdam Ave.

BLAU—Lena, beloved wife of the late Samuel. Devoted mother of Melvin and Lawrence. Loving grandmother. Dear sister of Gussie Wachtel and Emanuel Adolph and the late Seymour Adolph. Services "Bert Wagner" Ly. West 77 St., Tuesday, July 16, 2 P.M.

BRADY—Alice R., suddenly, July 14, 1968, at Orlando, Fla. Mother of Lee, Brady Jefferson H. T. and Marcia Brady Jr., N. C. Also survived by 6 grandchildren. Services there at Knoxville, Tenn.

BRAHM—Fred, of [illegible] Conn., on July 14, 1968. Beloved husband of Mae and dear brother of Ruth and Xavier. Funeral private at the Parkside Chapel, Franklin Ave. at 174 St. Interment Pine Lawn Cemetery. Contributions in his memory to the American Cancer Society, Inc., would be appreciated.

BURGER—[illegible] Lodge #1225, F&A.M. [illegible] Funeral Chapel, 76 St. and Amsterdam Ave., Tuesday, July 16, at 11 A.M. Please omit flowers.

BURGER—Nathaniel L. Brotherly Love Lodge #1225, F&A.M. [illegible] Funeral Chapel, 76 St. and Amsterdam Ave., Tuesday, July 16, at 11 A.M. Please omit flowers.

WALTER ACKERMAN, Master
LEONARD FINE, Secretary

BURGER—Nathaniel L. The Board of Trustees and members of Temple Israel of Harlem are saddened by the passing of our beloved brother. The services will be held at the Riverside Chapel, 76 St. and Amsterdam Ave., Tuesday, July 16, at 11 A.M.

IRWIN HARRISON, Rabbi
LOUIS SUSSMAN, President

CAMPBELL—Gordon Cherry Sr., on July 14, 1968, at the home of his sister Jessie Chatfield Bates of Schenectady. Born in Cherry Valley, N.Y., husband of the late Marjorie Beadle Campbell of Scranton, father of George H. Jr. of Scranton and Dudley Jr. of Philadelphia, brother of Alan Campbell, [illegible] of Schenectady. Funeral service at 10:30 A.M., Wed., July 17, First Presbyterian Church, Cherry Valley, N.Y. Interment at Oneman Cypress Home, Inc., Cherry Valley.

CLARKSON—Cornelia Livingston, in her 91st year, beloved mother of the late Howard and Alice Clarkson, sister of the late Mrs. Cornelius Vanderbilt, Mrs. John Henry Livingston and the late Mrs. Livingston D. Maynard, also survived by many devoted friends and the late Miss L. [illegible]

CONNELLY—Mabel B., M.D., of Fort Worth, Texas, [illegible] Funeral Service at the Frank Campbell Funeral Chapel, Inc., 81 St. and Madison Ave., Tuesday, July 16, at 4:30 P.M.

COMPERE—Nina A. (nee Ewell), on July 13, 1968, [illegible] Funeral Service at the Riverside, 76 St. and Amsterdam Ave., Tuesday, July 16, at 4:30 P.M.